

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: KAWAMAE, et al  
Serial No.: Not yet assigned  
Filed: November 7, 2001  
For: DATA TRANSMISSION METHOD FOR EMBEDDED DATA,  
DATA TRANSMITTING AND REPRODUCING APPARATUSES  
AND INFORMATION RECORDING MEDIUM THEREFOR  
Group: 2661  
Examiner: S. Cangialosi

JC979 U.S. PTO  
09/986090

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

November 7, 2001

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).

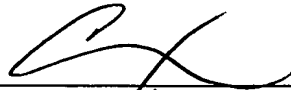
"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."

Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 09/144,696, filed September 1, 1998 and related application Serial Nos. 09/144,467, filed September 1, 1998; Serial No. 09/144,989, filed September 1, 1998; and 09/148,325, filed September 4, 1998.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (520.36525CX1) please credit any excess fees to such deposit account.

Respectfully submitted,



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Carl I. Brundidge  
Registration No. 29,621  
ANTONELLI, TERRY, STOUT & KRAUS, LLP

CIB/jdc  
(703) 312-6600

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**INFORMATION DISCLOSURE  
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ATTY. DOCKET NO.

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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 9 6 0 0 8 1	9/99	Vynne et al	380	10	
	5 7 2 1 7 8 8	2/98	Powell et al	382	100	
	5 9 0 5 8 1 9	5/99	Daly	382	284	
	5 5 6 8 5 7 0	10/96	Rabbani	382	238	
	6 0 0 5 6 4 3	12/99	Morimoto			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
6 6 3 2 9	1/94	Japan			XX
9 8 2 7 5 1 0	6/98	PCT			
8 4 0 5 1 3	5/98	European			
8 0 5 6 0 0	11/97	European			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Bender et al, Techniques for Data Hiding, IBM Systems Journal, vol. 35, Nos. 3 & 4, 1996, pp. 313-335.
K. Kido, et al "Improvement of MRI Image Quality by a Directional Adaptive Filter", Systems and Computers in Japan, vol. 28, No. 10, 1997, 99-69-76.
Papers of IEICE of Japan, D-II vol. J79-D-II, No. 8, pp. 1347-1353.
JPEG Compression: "Digital Compression and Continuous-Tone Still Images", ISO/IEC/0918-1
Bors and Pitas: "Image Watermarking using DCT Domain Constraints" Proceeding of 3rd IEEE International Conference on Image Processing, 16-19 September 1996, pages 231-234.
Nikkei Electronics 1997.2.24 (683) pp. 99-107 "Digital Watermark protects multi-media age"
W. Pennebake et al, "Still Image Data Compression Standard" JPEG, pp. 335-353.

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	5 7 3 7 4 1 7	4/98	Buynak et al			
	5 8 2 2 4 2 5	10/98	Ezaki et al			
	5 5 3 0 7 5 9	6/96	Braudaway et al			
	5 5 6 1 7 2 4	10/96	Kido et al			
	5 7 4 8 7 6 3	5/98	Rhoads			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 5 8 1 3 1 7	2/94	European			
0 6 1 2 0 5 4	8/94	European			
9 5 2 0 2 9 1	7/95	PCT			
9 6 4 1 4 6 8	12/96	PCT			

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	5 6 0 6 6 0 9	2/97	Houser et al			
	5 6 3 6 2 9 2	6/97	Rhoads			
	5 8 4 8 1 5 5	12/98	Cox			
	5 8 5 9 9 2 0	11/99	Doly et al			
	5 8 8 9 8 6 8	3/99	Moskowitz et al			

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					YES NO
9 6 3 6 1 6 3	11/96	PCT			
9 6 2 5 0 0 5	8/96	PCT			
9 7 1 4 2 4 9	4/97	PCT			Eng. Abst.
0 7 6 6 4 6 6	4/97	European			
0 6 5 1 5 5 4	5/95	European			
9 1 3 0 7 6 6	5/97	Japan			XX

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	W. Bender, et al "Data Hiding Technology for Supporting Electronic Watermark (Upper)" Nikkei Electronics, No. 683, 2/24/97, pp. 149-162.
	S. Shimizu, et al "Pixel Block Coding for Digital Still Images", IBM Japan, Ltd., Tokyo Research Lab. pp. 257-258.

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